

Partial translation as requested by  
the examiner Fozia Hamud, Art Unit 1647  
Case 09/855,313

Translated from the German

FEDERAL REPUBLIC OF GERMANY  
GERMAN PATENT AND TRADEMARK OFFICE

**Offenlegungsschrift**  
**DE 198 23 351 A1**

IPC: A 61 K 38/20

Date of the application: May 13, 1998  
Date the 'offenlegungsschrift' was laid open to public  
inspection: December 10, 1998  
Internal priority: 197 21 867.9 May 16, 1997  
Applicants: Hans Krause et al.  
Inventors: the same as the applicants.

Title in German of the object of the invention:  
**Mittel zur Verhinderung der Zellapoptose bei Krankheiten**

PREPARATION FOR THE PREVENTION OF CELL APOPTOSIS  
DURING DISEASES

The invention pertains to a preparation [agent or drug] for  
the prevention of the cell apoptosis, which preparation is based  
on the discovery that the activation of the interleukin-15-  
receptor protects cells against apoptosis, and which preparation  
is characterized in that the it contains interleukin-15, its  
derivatives, interleukin-15 fusion proteins or substances,  
coupled to the interleukin-15 receptor.

PATENT CLAIMS

1. Preparation for the prevention of the cell apoptosis over the course of diseases, **characterized in that** the preparation contains interleukin-15, its derivatives, interleukin-15 fusion products or substances coupled to the interleukin-15 receptor.
2. Preparation, as claimed in claim 1, characterized in that it contains the fusion protein IL15-IgG2b.
3. Application of the preparation, as claimed in claim 1 or 2, for the prevention of the cell apoptosis.
4. Application, as claimed in claim 3, for the prevention in the case of inflammation of the liver, caused as a result of viruses.
5. Application, as claimed in claim 3, in the case of HIV-infections.
6. Application, as claimed in claim 3, in the case of radiation-induced damages.
7. Application, as claimed in claim 3, in the case of neuro-degenerative disorders.
8. Application, as claimed in claim 3, in the case of toxic damages.

USDoC/USPTO/STIC/Translations Branch  
Translated by John M Koytcheff, MSc  
USPTO Translator (GERMAN & Germanic languages)

December 10, 2003